

PCT09

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/787,658A

DATE: 06/22/2001  
 TIME: 12:19:12

Input Set : A:\2549.seq.txt  
 Output Set: N:\CRF3\06222001\I787658A.raw

4 <110> APPLICANT: KITADA, Chieko  
 5 HINUMA, Shuji  
 7 <120> TITLE OF INVENTION: Peptide derivative  
 9 <130> FILE REFERENCE: 2549US0P  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/787,658A  
 C--> 12 <141> CURRENT FILING DATE: 2001-05-14  
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP99/05216  
 15 <151> PRIOR FILING DATE: 1999-09-24  
 17 <150> PRIOR APPLICATION NUMBER: JP 10-271626  
 18 <151> PRIOR FILING DATE: 1998-09-25  
 21 <160> NUMBER OF SEQ ID NOS: 42  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 36  
 25 <212> TYPE: PRT  
 C--> 26 <213> ORGANISM: Artificial  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: Artificial Polypeptide  
 31 <220> FEATURE:  
 32 <221> NAME/KEY: PEPTIDE  
 33 <222> LOCATION: (34)..(34)  
 34 <223> OTHER INFORMATION: Nle  
 36 <400> SEQUENCE: 1  
 37 Leu Val Gln Pro Arg Gly Ser Arg Asn Gly Pro Gly Pro Trp Gln Gly  
 38 1 5 10 15  
 39 Gly Arg Arg Lys Phe Arg Arg Gln Arg Pro Arg Leu Ser His Lys Gly  
 40 20 25 30  
 41 Pro Xaa Pro Phe  
 42 35  
 44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 36  
 46 <212> TYPE: PRT  
 47 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Artificial Polypeptide  
 52 <220> FEATURE:  
 53 <221> NAME/KEY: PEPTIDE  
 54 <222> LOCATION: (34)..(34)  
 55 <223> OTHER INFORMATION: Nle  
 57 <400> SEQUENCE: 2  
 58 Leu Val Gln Pro Arg Gly Ser Arg Asn Gly Pro Gly Pro Trp Gln Gly  
 59 1 5 10 15  
 60 Gly Arg Arg Lys Phe Arg Arg Gln Arg Pro Arg Leu Ser His Lys Gly  
 61 20 25 30  
 62 Pro Xaa Pro Tyr  
 63 35  
 65 <210> SEQ ID NO: 3  
 66 <211> LENGTH: 13

ENTERED

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67 <212> TYPE: PRT  
 68 <213> ORGANISM: Artificial Sequence  
 70 <220> FEATURE:  
 71 <223> OTHER INFORMATION: Artificial Polypeptide  
 73 <220> FEATURE:  
 74 <221> NAME/KEY: PEPTIDE  
 75 <222> LOCATION: (11)..(11) ✓  
 76 <223> OTHER INFORMATION: Nle  
 78 <220> FEATURE:  
 79 <221> NAME/KEY: PEPTIDE ✓  
 80 <222> LOCATION: (1)..(1)  
 81 <223> OTHER INFORMATION: pGlu  
 83 <400> SEQUENCE: 3  
 W 84 Xaa Arg Pro Arg Leu Ser His Lys Gly Pro Xaa Pro Phe  
 85 1 5 10  
 87 <210> SEQ ID NO: 4  
 88 <211> LENGTH: 13  
 89 <212> TYPE: PRT  
 90 <213> ORGANISM: Artificial Sequence  
 92 <220> FEATURE:  
 93 <223> OTHER INFORMATION: Artificial Polypeptide  
 95 <220> FEATURE:  
 96 <221> NAME/KEY: PEPTIDE  
 97 <222> LOCATION: (11)..(11) ✓  
 98 <223> OTHER INFORMATION: Nle  
 100 <220> FEATURE:  
 101 <221> NAME/KEY: PEPTIDE ✓  
 102 <222> LOCATION: (1)..(1)  
 103 <223> OTHER INFORMATION: pGlu  
 105 <400> SEQUENCE: 4  
 W 106 Xaa Arg Pro Arg Leu Ser His Lys Gly Pro Xaa Pro Tyr  
 107 1 5 10  
 109 <210> SEQ ID NO: 5  
 110 <211> LENGTH: 12  
 111 <212> TYPE: PRT  
 112 <213> ORGANISM: Artificial Sequence  
 114 <220> FEATURE:  
 115 <223> OTHER INFORMATION: Artificial Polypeptide  
 117 <220> FEATURE:  
 118 <221> NAME/KEY: PEPTIDE  
 119 <222> LOCATION: (11)..(11) ✓  
 120 <223> OTHER INFORMATION: Nle  
 122 <220> FEATURE:  
 123 <221> NAME/KEY: PEPTIDE  
 124 <222> LOCATION: (1)..(1)  
 125 <223> OTHER INFORMATION: pGlu  
 127 <400> SEQUENCE: 5  
 W 128 Xaa Arg Pro Arg Leu Ser His Lys Gly Pro Xaa Pro  
 129 1 5 10

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Input Set : A:\2549.seq.txt  
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131 <210> SEQ ID NO: 6  
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134 <213> ORGANISM: Artificial Sequence  
136 <220> FEATURE:  
137 <223> OTHER INFORMATION: Artificial Polypeptide  
139 <220> FEATURE:  
140 <221> NAME/KEY: PEPTIDE  
141 <222> LOCATION: (11)..(11)  
142 <223> OTHER INFORMATION: Nle  
144 <220> FEATURE:  
145 <221> NAME/KEY: PEPTIDE  
146 <222> LOCATION: (1)..(1)  
147 <223> OTHER INFORMATION: pGlu  
149 <400> SEQUENCE: 6

W- 150 Xaa Arg Pro Arg Leu Ser His Lys Gly Pro Xaa  
151 1 5 10

153 <210> SEQ ID NO: 7  
154 <211> LENGTH: 12  
155 <212> TYPE: PRT  
156 <213> ORGANISM: Artificial Sequence  
158 <220> FEATURE:  
159 <223> OTHER INFORMATION: Artificial Polypeptide  
161 <220> FEATURE:  
162 <221> NAME/KEY: PEPTIDE  
163 <222> LOCATION: (10)..(10)  
164 <223> OTHER INFORMATION: Nle  
166 <220> FEATURE:  
167 <221> NAME/KEY: PEPTIDE  
168 <222> LOCATION: (1)..(1)  
169 <223> OTHER INFORMATION: Ac-Arg  
171 <400> SEQUENCE: 7

W- 172 Xaa Pro Arg Leu Ser His Lys Gly Pro Xaa Pro Tyr  
173 1 5 10

175 <210> SEQ ID NO: 8  
176 <211> LENGTH: 11  
177 <212> TYPE: PRT  
178 <213> ORGANISM: Artificial Sequence  
180 <220> FEATURE:  
181 <223> OTHER INFORMATION: Artificial Polypeptide  
183 <220> FEATURE:  
184 <221> NAME/KEY: PEPTIDE  
185 <222> LOCATION: (10)..(10)  
186 <223> OTHER INFORMATION: Nle  
188 <220> FEATURE:  
189 <221> NAME/KEY: PEPTIDE  
190 <222> LOCATION: (1)..(1)  
191 <223> OTHER INFORMATION: Ac-Arg  
193 <400> SEQUENCE: 8

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194 Xaa Pro Arg Leu Ser His Lys Gly Pro Xaa Pro  
195 1 5 10  
197 <210> SEQ ID NO: 9  
198 <211> LENGTH: 10  
199 <212> TYPE: PRT  
200 <213> ORGANISM: Artificial Sequence  
202 <220> FEATURE:  
203 <223> OTHER INFORMATION: Artificial Polypeptide  
205 <220> FEATURE:  
206 <221> NAME/KEY: PEPTIDE  
207 <222> LOCATION: (10)..(10)  
208 <223> OTHER INFORMATION: Nle  
210 <220> FEATURE:  
211 <221> NAME/KEY: PEPTIDE  
212 <222> LOCATION: (1)..(1)  
213 <223> OTHER INFORMATION: Ac-Arg  
215 <400> SEQUENCE: 9  
216 Xaa Pro Arg Leu Ser His Lys Gly Pro Xaa  
217 1 5 10  
219 <210> SEQ ID NO: 10  
220 <211> LENGTH: 13  
221 <212> TYPE: PRT  
222 <213> ORGANISM: Artificial Sequence  
224 <220> FEATURE:  
225 <223> OTHER INFORMATION: Artificial Polypeptide  
227 <220> FEATURE:  
228 <221> NAME/KEY: PEPTIDE  
229 <222> LOCATION: (8)..(8)  
230 <223> OTHER INFORMATION: Lys(Ac)  
232 <220> FEATURE:  
233 <221> NAME/KEY: PEPTIDE  
234 <222> LOCATION: (1)..(1)  
235 <223> OTHER INFORMATION: pGlu  
237 <400> SEQUENCE: 10  
238 Xaa Arg Pro Arg Leu Ser His Xaa Gly Pro Met Pro Phe  
239 1 5 10  
241 <210> SEQ ID NO: 11  
242 <211> LENGTH: 13  
243 <212> TYPE: PRT  
244 <213> ORGANISM: Artificial Sequence  
246 <220> FEATURE:  
247 <223> OTHER INFORMATION: Artificial Polypeptide  
249 <220> FEATURE:  
250 <221> NAME/KEY: PEPTIDE  
251 <222> LOCATION: (8)..(8)  
252 <223> OTHER INFORMATION: Lys(Me)  
254 <220> FEATURE:  
255 <221> NAME/KEY: PEPTIDE  
256 <222> LOCATION: (1)..(1)

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Input Set : A:\2549.seq.txt

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257 <223> OTHER INFORMATION: pGlu  
 259 <400> SEQUENCE: 11  
 W-260 Xaa Arg Pro Arg Leu Ser His Xaa Gly Pro Met Pro Phe  
 261 1 5 10  
 263 <210> SEQ ID NO: 12  
 264 <211> LENGTH: 13  
 265 <212> TYPE: PRT  
 266 <213> ORGANISM: Artificial Sequence  
 268 <220> FEATURE:  
 269 <223> OTHER INFORMATION: Artificial Polypeptide  
 271 <220> FEATURE:  
 272 <221> NAME/KEY: PEPTIDE  
 273 <222> LOCATION: (11)..(11)  
 274 <223> OTHER INFORMATION: Nle  
 276 <220> FEATURE:  
 277 <221> NAME/KEY: PEPTIDE  
 278 <222> LOCATION: (8)..(8)  
 279 <223> OTHER INFORMATION: Lys(Ac)  
 281 <220> FEATURE:  
 282 <221> NAME/KEY: PEPTIDE  
 283 <222> LOCATION: (1)..(1)  
 284 <223> OTHER INFORMATION: pGlu  
 W-286 <400> SEQUENCE: 12  
 287 Xaa Arg Pro Arg Leu Ser His Xaa Gly Pro Xaa Pro Phe  
 288 1 5 10  
 290 <210> SEQ ID NO: 13  
 291 <211> LENGTH: 13  
 292 <212> TYPE: PRT  
 293 <213> ORGANISM: Artificial Sequence  
 295 <220> FEATURE:  
 296 <223> OTHER INFORMATION: Artificial Polypeptide  
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 299 <221> NAME/KEY: PEPTIDE  
 300 <222> LOCATION: (11)..(11)  
 301 <223> OTHER INFORMATION: Nle  
 303 <220> FEATURE:  
 304 <221> NAME/KEY: PEPTIDE  
 305 <222> LOCATION: (8)..(8)  
 306 <223> OTHER INFORMATION: Lys(Me)  
 308 <220> FEATURE:  
 309 <221> NAME/KEY: PEPTIDE  
 310 <222> LOCATION: (1)..(1)  
 311 <223> OTHER INFORMATION: pGlu  
 W-313 <400> SEQUENCE: 13  
 314 Xaa Arg Pro Arg Leu Ser His Xaa Gly Pro Xaa Pro Phe  
 315 1 5 10  
 317 <210> SEQ ID NO: 14  
 318 <211> LENGTH: 13  
 319 <212> TYPE: PRT

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

## VERIFICATION SUMMARY

DATE: 06/22/2001

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Input Set : A:\2549.seq.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:26 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:853 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42